

IN THE EUROPEAN PATENT OFFICE

In The Matter of PCT International Patent Application:

Applicant : Alberta Research Council Inc.; SARKAR, Partho; YAMARTE, Luis; JOHANSON, Lorne; RHO, Hongsang
Owner : Alberta Research Council Inc.
PCT Appln. No. : PCT/CA03/01118
PCT Filing Date : July 24, 2003
Title : METAL-SUPPORTED TUBULAR FUEL CELL
Our File : V80029WO
Date : February 20, 2004

Via Fax 011 49 89 2399 4465 and COURIER

European Patent Office
Erhardstrasse 27
D-80331 Munich
GERMANY

**Demand under Article 31 of the Patent Cooperation Treaty;
and Request for Detailed Examination**

Dear Sir:

The Applicant requests that the International Application specified above be made the subject of International Preliminary Examination according to Article 31 of the Patent Cooperation Treaty.

In addition, the Applicant requests detailed examination of this case.

The prescribed Demand form is attached hereto without payment of the handling fee and the preliminary examination fee as the applicant is still awaiting receipt of the international search report. It is the applicant's understanding that due to the current search backlog, the EPO acting as IPEA will accept, without any late payment fee under Rule 58bis PCT, the handling fee and the preliminary examination fee due in respect of the demand relating to the present application, even if they are not paid within the time limit prescribed in Rules 57.3 and 58.1(b) PCT, provided that they are paid within one month from the date of transmittal of the ISR.

Respectfully submitted,
GOWLING LAFLEUR HENDERSON LLP
1055 Dunsmuir Street, Suite 2300
Vancouver, British Columbia
Canada V7X 1J1



Agents for Applicant
Brian Lee
Direct Dial (604) 443-7682
BL:dg

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FEE CALCULATION SHEET

Annex to the Demand

International application No PCT/CA03/01118	For International Preliminary Examining Authority use only
Applicant's or agent's file reference V80029WO	Date stamp of the IPEA
Applicant Alberta Research Council Inc.; Partho Sarkar; Luis Yamarte; Lorne Johanson; Hongsang Rho	
CALCULATION OF PRESCRIBED FEES	
1. Preliminary examination fee	<div style="border: 1px solid black; padding: 2px;">EUR1530</div> <div style="border: 1px solid black; padding: 2px; width: 20px; text-align: center;">P</div>
2. Handling fee (<i>Applicants from certain States are entitled to a reduction of 75% of the handling fee Where the applicant is (or all applicants are) so entitled, the amount to be entered at H is 25% of the handling fee</i>)	<div style="border: 1px solid black; padding: 2px;">EUR159</div> <div style="border: 1px solid black; padding: 2px; width: 20px; text-align: center;">H</div>
3. Total of prescribed fees Add the amounts entered at P and H and enter total in the TOTAL box	<div style="border: 1px solid black; padding: 2px;">EUR1689</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">TOTAL</div>
MODE OF PAYMENT	
<input type="checkbox"/> authorization to charge deposit account with the IPEA (see below)	<input type="checkbox"/> cash
<input type="checkbox"/> cheque	<input type="checkbox"/> revenue stamps
<input type="checkbox"/> postal money order	<input type="checkbox"/> coupons
<input type="checkbox"/> bank draft	<input type="checkbox"/> other (<i>specify</i>)
AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT <i>(This mode of payment may not be available at all IPEAs)</i>	
<input type="checkbox"/> Authorization to charge the total fees indicated above.	IPEA/ _____
<input type="checkbox"/> (<i>This check-box may be marked only if the conditions for deposit accounts of the IPEA so permit</i>) Authorization to charge any deficiency or credit any overpayment in the total fees indicated above	Deposit Account No : _____
	Date: _____
	Name: _____
	Signature: _____

The demand must be filed directly with the competent International Preliminary Examining Authority or, if two or more Authorities are competent, with the one chosen by the applicant. The full name or two-letter code of that Authority may be indicated by the applicant on the line below.

IPEA/ EPO

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CHAPTER II

DEMAND

under Article 31 of the Patent Cooperation Treaty:

The undersigned requests that the international application specified below be the subject of international preliminary examination according to the Patent Cooperation Treaty.

For International Preliminary Examining Authority use only	
Identification of IPEA	Date of receipt of DEMAND
Box No. I IDENTIFICATION OF THE INTERNATIONAL APPLICATION	
Applicant's or agent's file reference V80029WO	
International application No PCT/CA03/01118	International filing date (day/month/year) 24 July 2003 (24.07.03)
(Earliest) Priority date (day/month/year) 25 July 2002 (25.07.02)	
Title of invention METAL-SUPPORTED TUBULAR FUEL CELL	
Box No. II APPLICANT(S)	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) ALBERTA RESEARCH COUNCIL INC. 250 Karl Clark Road Edmonton, Alberta, T6N 1E4 CANADA	
Telephone No. (780) 450 5330	
Facsimile No. (780) 469 5296	
Teleprinter No.	
Applicant's registration No. with the Office	
State (that is, country) of nationality: CA	State (that is, country) of residence: CA
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) SARKAR, Partho #34 - 3221 - 119th Street Edmonton, Alberta T6J 5K7	
State (that is, country) of nationality: CA	State (that is, country) of residence: CA
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) RHO, Hongsang 11004 - 11th Avenue NW Edmonton, Alberta T6J 6M8	
State (that is, country) of nationality: KR	State (that is, country) of residence: CA
<input checked="" type="checkbox"/> Further applicants are indicated on a continuation sheet	

Continuation of Box No. II APPLICANT(S)

*If none of the following sub-boxes is used, this sheet should not be included in the demand.*Name and address: *(Family name followed by given name, for a legal entity, full official designation. The address must include postal code and name of country.)*JOHANSON, LORNE
11324 - 111A Avenue
Edmonton, Alberta T5G 0E8State *(that is, country)* of nationality:

CA

State *(that is, country)* of residence:

CA

Name and address: *(Family name followed by given name, for a legal entity, full official designation. The address must include postal code and name of country.)*YAMARTE, Luis
10655 - 66th Avenue. NW
Edmonton, Alberta T6H 1X5State *(that is, country)* of nationality:

CA

State *(that is, country)* of residence:

CA

Name and address: *(Family name followed by given name, for a legal entity, full official designation. The address must include postal code and name of country.)*State *(that is, country)* of nationality:State *(that is, country)* of residence:Name and address: *(Family name followed by given name, for a legal entity, full official designation. The address must include postal code and name of country.)*State *(that is, country)* of nationality:State *(that is, country)* of residence:☐ Further applicants are indicated on another continuation sheet.

Box No. III AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCEThe following person is ☒ agent ☐ common representativeand ☒ has been appointed earlier and represents the applicant(s) also for international preliminary examination☐ is hereby appointed and any earlier appointment of (an) agent(s)/common representative is hereby revoked☐ is hereby appointed, specifically for the procedure before the International Preliminary Examining Authority, in addition to the agent(s)/common representative appointed earlierName and address: *(Family name followed by given name. for a legal entity, full official designation
The address must include postal code and name of country)*LEE, Brian
c/o Gowling Lafleur Henderson LLP
1055 Dunsmuir Street, Suite 2300
Vancouver, British Columbia
Canada V7X 1J1

Telephone No.

(604) 683-6498

Facsimile No.

(604) 683-3558

Teleprinter No.

Agent's registration No. with the Office

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.**Box No. IV BASIS FOR INTERNATIONAL PRELIMINARY EXAMINATION****Statement concerning amendments:***

1 The applicant wishes the international preliminary examination to start on the basis of:

☒ the international application as originally filedthe description ☒ as originally filed☐ as amended under Article 34the claims ☒ as originally filed☐ as amended under Article 19 (together with any accompanying statement)☐ as amended under Article 34the drawings ☒ as originally filed☐ as amended under Article 342 ☐ The applicant wishes any amendment to the claims under Article 19 to be considered as reversed3 ☐ The applicant wishes the start of the international preliminary examination to be postponed until the expiration of the applicable time limit under Rule 69 1(d)4 ☐ The applicant expressly wishes the international preliminary examination to start earlier than at the expiration of the applicable time limit under Rule 54bis 1(a).

* Where no check-box is marked, international preliminary examination will start on the basis of the international application as originally filed or, where a copy of amendments to the claims under Article 19 and/or amendments of the international application under Article 34 are received by the International Preliminary Examining Authority before it has begun to draw up a written opinion or the international preliminary examination report, as so amended

Language for the purposes of international preliminary examination: **ENGLISH**☒ which is the language in which the international application was filed☐ which is the language of a translation furnished for the purposes of international search.☒ which is the language of publication of the international application.☐ which is the language of the translation (to be) furnished for the purposes of international preliminary examination.**Box No. V ELECTION OF STATES**

The filing of this demand constitutes the election of all Contracting States which are designated and are bound by Chapter II of the PCT.

Box No. VI CHECK LIST

The demand is accompanied by the following elements, in the language referred to in Box No. IV, for the purposes of international preliminary examination:

- | | | | |
|--|---|-------|--------|
| 1. translation of international application | : | _____ | sheets |
| 2. amendments under Article 34 | : | _____ | sheets |
| 3. copy (or, where required, translation) of amendments under Article 19 | : | _____ | sheets |
| 4. copy (or, where required, translation) of statement under Article 19 | : | _____ | sheets |
| 5. letter | : | 1 | sheets |
| 6. other (<i>specify</i>) | : | _____ | sheets |

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received	not received
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

The demand is also accompanied by the item(s) marked below:

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> fee calculation sheet | 5. <input type="checkbox"/> statement explaining lack of signature |
| 2. <input type="checkbox"/> original separate power of attorney | 6. <input type="checkbox"/> sequence listing in computer readable form |
| 3. <input type="checkbox"/> original general power of attorney | 7. <input type="checkbox"/> tables in computer readable form related to a sequence listing |
| 4. <input type="checkbox"/> copy of general power of attorney; reference number, if any: | 8. <input type="checkbox"/> other (<i>specify</i>): |

Box No. VII SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the demand).


BRIAN LEE

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1. Date of actual receipt of DEMAND:

2. Adjusted date of receipt of demand due to CORRECTIONS under Rule 60 1(b):

3. ☐ The date of receipt of the demand is AFTER the expiration of 19 months from the priority date and item 4 or 5, below, does not apply
☐ The applicant has been informed accordingly.
4. ☐ The date of receipt of the demand is WITHIN the time limit of 19 months from the priority date as extended by virtue of Rule 80.5.
5. ☐ Although the date of receipt of the demand is after the expiration of 19 months from the priority date, the delay in arrival is EXCUSED pursuant to Rule 82.

6. ☐ The date of receipt of the demand is AFTER the expiration of the time limit under Rule 54bis 1(a) and item 7 or 8, below, does not apply
7. ☐ The date of receipt of the demand is WITHIN the time limit under Rule 54bis 1(a) as extended by virtue of Rule 80.5
8. ☐ Although the date of receipt of the demand is after the expiration of the time limit under Rule 54bis 1(a), the delay in arrival is EXCUSED pursuant to Rule 82.

For International Bureau use only

Demand received from IPEA on: